## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Roberts et al. ) ATTORNEY DOCKET: 40304772

SERIAL NO.: 10/615797 ) GROUP ART UNIT: 1616

FILED: July 10, 2003 ) EXAMINER: Alton Nathaniel Pryor

TITLE: METAL COMPOUNDS, MIXED OR SULPHATED, AS PHOSPHATE

**BINDERS** 

DATE: October 30, 2006 CUSTOMER NO.: 26565

Commissioner for Patents PO BOX 1450 Alexandria, VA 22313-1450

Sir:

## SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR §1.97(c)

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(c), Applicants bring to the attention of the Examiner the documents listed on the attached PTO/SB/08B form. Applicants respectfully request that the Examiner consider the listed documents and evidence the consideration of relevant portions thereof by making appropriate notations on the attached form.

Presentation of documents listed on enclosed Form PTO-1449 is not an admission that any listed document is prior art under the Patent Statutes and the right is reserved to antedate any material described in the listed documents by a showing under 37 C.F.R. § 1.131 or otherwise.

This information disclosure statement is being filed after the period specified in 35 C.F.R. § 1.97(b) but prior to the mailing date of any final action under § 1.113, a notice of allowance under § 1.311, or an action that otherwise closes prosecution. A fee in the amount of \$180.00 is provided pursuant to 35 U.S.C. 1.17(p).

The filing of this information disclosure statement shall not be construed as a representation that a search has been made (37 CFR §1.97(g)), an admission that the information cited is or is considered to be material to patentability, or that no other material information exists. Applicants respectfully request that the statement be considered by the Office in the course of prosecution of the application.

The Commissioner is hereby authorized to charge any additional filing fees required under Rule 1.17 concerning this transaction, or to credit any overpayment to Deposit Account 13-0019.

Respectfully submitted,

Joseph A. Mahoney

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Substitute for form 1449/PTO

Sheet

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

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Complete if Known				
Application Number	10/615797			
Filing Date	July 10, 2003			
First Named Inventor	Roberts et al.			
Art Unit	1616			
Examiner Name	Alton Nathaniel Pryor			
Attorney Docket Number	40304772			

	U.S. PATENT DOCUMENTS					
Examiner I I	Document Number	Document Number Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or		
	MM-DD-YY	Applicant of Cited Document	Relevant Figures Appear			
	3,984,392	10/05/76	van der Veen et al.			
	4,458,026	07/03/84	Reichle			
	4,582,705	04/15/86	Primes et al.			
	4,629,626	12/16/86	Miyata et al.			
	5,173,284	12/22/92	Moisset et al.			
	5,654,011	08/05/97	Jackson et al.			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. 1	Foreign Patent Document	Publication	Name of Patentee or	Pages, Columns, Lines, Where Relevant	
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>6</sup> (if known)	Date MM-DD-YY	Applicant of Cited Document	Passages or Relevant Figures Appear	16
		GB 2031395	04/23/80	Laboratories Om Societe		
		FR 2254556	11/7/75	George Souquet		
	<u> </u>					

NON PATENT LITERATURE		
Examiner Initials*	Cite No. 1	Include name of the author (in CAPTIAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		Ookubo et al., <u>Preparation and Phosphate Ion-Exchange Properties of a Hydrotalcite-like</u> <u>Compound</u> , <i>American Chemical Society</i> , pp. 1418-1422 (1993)
		Hansen et al., The Use of Glycerol Intercalates in the Exchange of CO <sub>3</sub> <sup>2</sup> with SO <sub>4</sub> <sup>2</sup> , NO <sub>3</sub> or Cl in Pyroaurite-Type Compounds, The Mineralogical Society, Vol. 26, pp. 311-327 (1991)
		Hansen et al., Formation of Synthetic Analogues of Double Metal-Hydroxy Carbonate Minerals Under Controlled pH Conditions, The Mineralogical Society, Vol. 25, pp. 161-179 (1990)
		Hang-Sik Shin et al., Phosphorus Removal By Hydrotalcite-Like Compounds (HTLcs), Wat. Sci. Tech, Vol 34, No. 1-2, pp. 161-168 (1996)
		Hashi et al., Preparation and Properties of Pyroaurite-Like Hydroxy Minerals, Clays and Clay Minerals, Vol. 31, No. 2, pp. 152-154 (1983)
		Playle et al., The In Vitro Antacid and Anti-Pepsin Activity of Hydrotalcite, Pharm. ACTA Helv. 49, Nr. 9/10, pp. 298-302 (1974)

Examiner	Date	
Signature	Considered	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 'Applicants' unique citation designation number (optional). 'See Kinds Codes of USPTO Patent Documents at www.uspto.gov.or MPEP 90.104. 'Enter Office that issued the document, by the two-letter code (WIPO Standard ST...) 'For Japanese patent document, but year of the reign of the Emperor must precede the serial number of the patent document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 'Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gethering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-788-9199) and select option 2.